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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Zhao, et al.

Application No.: 10/781,562

Filed: February 18, 2004

For: *Hybrid Polymers and Methods of
Making the Same*

Examiner: Not Yet Known


Art Unit: 1614

Attorney Document No.: GPT-032.01

Billing No.: 22140-3201

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450 on July 20, 2004.


John Barretto

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 (b)(3)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the requirements of 37 C.F.R. 1.56 and 1.97(b)(3), submitted herewith on Form PTO-1449 is a list of publications identified in a communication from the United States Patent and Trademark Office issued in a related application. Applicant respectfully requests that the Examiner consider the listed publications and indicate they were considered by making appropriate notations on the attached Form 1449.

This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that the cited documents are material or constitute "prior art." If the Examiner applies the listed documents as prior art against any claim in the

application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the referenced documents be applied against the claims of the present application.

Under 37 C.F.R. § 1.97 (b)(3), this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits; therefore, no fee is believed to be due in connection with this submission. However, the Commissioner is authorized to charge any deficiencies or credit any overpayment to/from our **Deposit Account, No. 06-1448, Reference GPT-032.01.**

Date: July 20, 2004

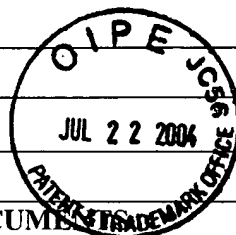
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Respectfully Submitted,



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Form PTO-1449

INFORMATION DISCLOSURE CITATION**IN AN APPLICATION***(Use several sheets if necessary)*Docket Number (Optional)
GPT-032.01Applicant
Zhao et al.Filing Date
February 18, 2004Application Number
10/781,562Group Art Unit
1614**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA 2,891,915		McCormack et al.			
	AB 3,271,329		Coover et al.			
	AC 3,442,982		Friedman et al.			
	AD 3,520,849		Vandenberg et al.			
	AE 3,655,586		Vandenberg et al.			
	AF 3,927,231		Desitter et al.			
	AG 3,932,566		Reader et al.			
	AH 4,072,658		Okamoto et al.			
	AI 4,082,897		Hechenbleikner			
	AJ 4,100,354		Owen, Jr.			
	AK 4,259,222		Login et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	AL 597,473		CA				
	AM 0 057 116		EP				
	AN 0 386 757 A2 & B1		EP				
	AO 95/17901		WO				
	AP 97/40085		WO				

OTHER DOCUMENTS*(Including Author, Title, Date, Pertinent Pages Etc.)*

	AQ	Bruin, et al., "Biodegradable Lysine Diisocyanate-based Poly(glycolide-co - ϵ - caprolactone)- urethane Network in Artificial Skin," Biomaterials, 11 (4):291-95 (1990).
	AR	Chaubal et al., "Accelerated Hydrolysis and Erosion Studies of In Vitro Degradation of Polilactofates," Proceed. Int'l. Symp. Control. Rel. Bioact. Mater., 27: 656-657 (2000).
	AS	Ertel et al., "Evaluation of Poly(DTH Carbonate), a Tyrosine-derived Degradable Polymer, for Orthopedic Applications," Journal of Biomedical Materials Research, 29:1337-48 (1995)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) GPT-032.01			Application Number 10/781,562	
		Applicant Zhao et al.				
		Filing Date February 18, 2004		Group Art Unit 1614		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	4,315,847	Login et al.			
	BB	4,315,969	Login et al.			
	BC	4,328,174	Schmidt et al.			
	BD	4,374,971	Schmidt et al.			
	BE	4,474,937	Bales			
	BF	4,481,353	Nyilas et al..			
	BG	4,757,128	Domb et al.			
	BH	4,789,724	Domb et al.			
	BI	5,176,907	Leong			
	BJ	5,194,581	Leong			
	BK	5,256,765	Leong			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
	BL	98/44021	WO			
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages Etc.)</i>						
	BM	Heller et al., "Release of Norethindrone form Poly(OrthoEsters)," Polymer Engineering Sci., 21"11, 727-31 (1981)				
	BN	Kadiyala et al., "Poly(phosphoesters): Synthesis, Physicochemical Characterization and Biological Response," Biomedical Applications of Synthetic Biodegradable Polymers, Chapters 3: 33-57, (Jeffrey O. Hollinger ed., 1995)				
	BO	Mao et al., "Biodegradable Copolymer for Drug Delivery: Poly(phosphate-terephthlatate)s," Proceedings of the Topical Conference on Biomaterials Carriers for Drug Delivery and Scaffold for Tissue Engineering, Peppas, N.A. et al., eds. Los Angeles, CA, pp. 141-143 (1997)				
EXAMINER				DATE CONSIDERED		
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	Applicant Zhao et al.	
	Filing Date February 18, 2004	Group Art Unit 1614

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA	5,278,201	Dunn et al.			
	CB	5,278,202	Dunn et al.			
	CC	5,304,377	Yamada et al.			
	CD	5,530,093	Engelhardt et al.			
	CE	5,626,862	Brem et al.			
	CF	5,637,085	Cardinale			
	CG	5,651,986	Brem et al.			
	CH	5,952,451	Zhao			
	CI	6,008,318	Zhao			
	CJ	6,166,173	Mao et al.			

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

CK	Mao et al., "Design of New Biodegradable Polymers Based on Chain-Extension of Oligomeric Lactides by Phosphates," Proceedings of the Topical Conference on Biomaterials Carriers for Drug Delivery and Scaffold for Tissue Engineering, Peppas, N.A. et al., eds. Los Angeles, CA, pp. 193-195 (1997)
CL	Penczek et al., "Phosphorus-Containing Polymers," Handbook of Polymer Synthesis, Part B, Ch. 17, 1077-1132 (Kricheldorf ed. 1992)
CM	Pitt et al., "Biodegradable Drug Delivery Systems Based on Aliphatic Polyesters: Application to Contraceptives and Narcotic Antagonists," Controlled Release of Bioactive Materials, 19-44 (Richard Baker, ed. 1980)
CN	Pretula et al., "High-Molecular Weight Poly(alkylene phosphonate)s by Condensation for Dialkylphosphonates with Diols," Makromol. Chem., 119:671-680 (1990)
CO	Pulapura et al., "Trends in the Development of Bioresorbable Polymers for Medical Applications," Journal of Biomaterials Applications, 6(1):216-50 (1992)
CP	Sugiyama, et al., "Preparation of Poly(phosphate ester)s Having Bisphenol Moieties as Mesogenic Units in the Main Chain," Journal of Polymer Science Part A: Polymer Chemistry Edition 32:11(1994)
CQ	Wen et al., "New Biodegradable Polymer for Drug Delivery System Poly (D,L-Lactide-CO-Ethyl Ethylene Phosphate)," Proceed. Int'l. Symp. Control. React. Bioact. Mater., 27 (2000) Controlled Release Society, Inc.

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